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Desc

Claims

Page 1

Drawing

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Inventor(s): LITZKE DIETER (DE); KAHRMANN PHILIPP (DE)

Applicant(s): LS INDUSTRIELACKE GMBH (DE)

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Equivalents:

Abstract

A surface coating material (I) is claimed, for the prodn. of hard, resistant base coat and/or top coat surfaces on wood, timber prods. etc.; (I) contains a water-thinnable, low-anti-settling additive, opt. a pigment and plasticiser, and a catalyst adduct (II) consisting of an organic acid (IIA) and a melamine resin (IIB). Pref. (IIA) is mono-butylphosphonic acid, maleic acid or p-toluenesulphonic acid, and (IIB) contains up to 80 wt.% solids. (II) contains (for textured surfaces) 60 wt.% (IIA), 10 wt.% (IIB) and 30 wt.% water or (for smooth surfaces) 60 wt.% (IIA), 10 wt.% (IIB), 4 wt.% silicic acid and 26 wt.% water. Basecoat compsn. contains 70 wt.% liq, formaldehyde resin, 15 wt.% liq, melamine resin, 10 wt.% kaolin, 1 wt.% anti-settling agent, 0.2 wt.% levelling soln., and 3.8 wt.% water, or 50 wt.% UF resin, 15 wt.% melamine resin, 18 wt.% kaolin, 15 wt.% TiO₂, 0.2 wt.% levelling soln. and 1.8 wt.% water. Topcoat compsn. contains 75 wt.% UF resin, 15 wt.% melamine resin, 3 wt.% plasticiser, 5 wt.% wax dispersion, 0.2 wt.% levelling soln. and 1.8 wt.% water, or 60 wt.% formaldehyde resin, 15 wt.% melamine resin, 3 wt.% plasticiser, 5 wt.% wax dispersion, 15 wt.% TiO₂, 0.2 wt.% fatty alcohol sulphonate and 1.8 wt.% water.

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